

Contributions to a Knowledge of the Lepidoptera of North Korea Tortricidae

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Abstract Based on the specimens of Tortricidae collected from North Korea by Hungarian Natural History Museum, a total of 26 species were identified. Among them, 21 species except *Pandemis heparana* (S. & D.), *Archips oporanus* (L.), *Matsumuraeses phaseoli* (M.), *Rhopobota naevana* (H.) and *Epiblema foenella* (L.) are newly known from Northern part of Korean Peninsula.

Key words systematics, Lepidoptera, Tortricidae, N. Korea.

INTRODUCTION

This study was based on the materials preserved in the Zoological Department, Hungarian Natural History Museum, Budapest. All materials in the collection were collected from North Korea by the staffs of the Museum through 12 times of zoological expeditions since 1970.

At the early of this year, from the end of January to the end of February, the first author visited to the Museum and examined most of collection of microlepidoptera including Pyraloidea. This paper on Tortricidae is published as the first part of the Lepidopera, and other groups will be published one after another in next volumes of this journal. In comparision to other groups of Lepidoptera, the collection of microlepidoptera are far behind in number because no microlepidopterist participated in the expeditions.

LIST OF SPECIES

Family Tortricidae 잎말이나방과

Subfamily Tortricinae

1. *Pandemis corylana* (Fabricius, 1794) 치악잎말이

Pyralis corylana Fabricius, 1794, Ent. Syst. 3(2) : 260.

Material. 11♂, 5♀, Mt. Kumgang-san, 24-25.IX.1979, H. Steinmann et T. Vasarhelyi leg.

Distribution. Korea (South, North), Japan, Europe, USSR, China.

2. *Pandemis cinnamomeana* (Treitschke, 1830) 흰머리잎말이

Tortrix cinnamomeana Treitschke, 1830, Schmett. Eur. 8: 61.

Material. 1♂, 1♀, Mt. Kumgang-san, 25.IX.1979, H. Steinmann et T. Vasarhelyi leg.

Distribution. Korea (S.N.), Japan, China, USSR, Europe.

3. *Pandemis heparana* (Schiffermüller & Denis, 1775) 갈색잎말이

Phalaena Tortrix heparana Schiffermüller & Denis, 1775, Syst. Verz. Schmett. Wien, 128.

Material. 1♂, 1♀, Mt. Kumgang-san, 28.IX.1979, H. Steinmann et T. Vasarhelyi leg.

Distribution. Korea (S.N.), Japan, China, USSR, Europe.

4. *Syndemis musculana* (Hübner, [1799]) 회색무늬잎말이

Tortrix musculana Hübner, [1799], Samml. eur. Schmett. 7: pl. 16, Fig. 98

Material. 1♂, 2♀, Mt. Myohyang-san, 21.V.1985, A. Vojnits et L. Zombori leg.

Distribution. Korea (S.N.), Japan, China, Amur, Europe, N. America.

5. *Archips oporanus* (Linnaeus, 1758) 솔잎말이

Phalaena oporanus Linnaeus, 1758, Syst. Nat. (Edn. 10) 1: 530.

Material. 3♂, 3 (abdomen missed), Mt. Kumgang-san, 26.V.1986, G. Csorba et A. Demeter leg.

Distrbution. Korea (S.N.), Japan.

6. *Choristoneura luteana* (Christoph, 1881) 앞노랑사과잎말이

Choristoneura luteana Christoph, 1881, Bull. Soc. Nat. Moscou. 56: 311.

Material. 1♂, Mt. Kumgang-san, 27.V.1985, A. Vojnits et L. Zombori leg.

Distrribution. Korea (S.N.), Japan, China, Siberia.

7. *Choristoneura diversana* (Hübner, [1817]) 오리나무잎말이

Tortrix diversana Hübner, [1817], Samml. eur. Schmett. 7: pl. 40, Fig. 251.

Material. 4♂, Mt. Kumgang-san, 26.V.1986, G. Csorba et A. Demeter.

Distribution. Korea (S.N.), Japan, USSR, Europe.

8. *Ptycholoma lecheana* (Linnaeus, 1758) 감나무잎말이

Phalaena lecheana Linnaeus, 1758, Syst. Nat. (Edn. 10) 1: 531.

Material. 2♂, Mt. Daesong-san, near Pyongyang, 31.V.1985, A. Vojnits et L. Zombori leg.

Distribution. Korea (S.N.), Japan, China, Asia minor, USSR, Europe.

9. *Adoxophyes orana* (Fisher von Röslerstam) 애모무늬잎말이

Adoxophyes orana Fischer von Röslerstam, Bradely, 1952, Entomologist, 85: 2.

Material. 1♀, Pyongyang City, 19.IX.1979, H. Steinmann et T. Vasarhelyi leg.

Distribution. Korea (S.N.), Japan, USSR, Europe.

10. *Argyrotaenia liratana* (Christoph, 1881) 애기사파잎말이

Tortrix liratana Christoph, 1881, Bull. Soc. imp. Nat. Moscou 56(1): 68.

Material. 6♂, Mt. Kumgang-san, 24–26.IX.1979, H. Steinmann et T. Vasarhelyi leg.

Distribution. Korea (S.N.), Japan, Amur, India.

11. *Homonopsis foederatana* (Kennel, 1901) 낙타등잎말이

Dichelia foederatana Kennel, 1901, Dt. ent. Z. Iris, 131: 211.

Material. 1♂, Mt. Kumgang-san, 26.V.1985, A. Vojnits et L. Zombori leg.

Distribution. Korea (S.N.), Japan, Ussuri, China.

12. *Capua vulgana* (Frölich, 1828) 긴주름잎말이

Tortrix vulgana Frölich, 1828, Enum. Tort. Wurt.,: 63.

Material. 1♂, 1♀, Mt. Myohyang-san, 20.V.1985, A. Vojnits et L. Zombori leg.; 1♂, Mt. Kumgang-san, 26.V.1985, A. Vojnits et L. Zombori leg.

Distribution. Korea (S.N.), Japan, Taiwan, China, USSR, Europe.

13. *Aethes cnicana* (Westwood, 1854) 엉겅퀴가는잎말이

Argyrolepia cnicana Westwood, 1854, in Wood, Index ent. (Edn 2): 280, pl. 59: 1851.

Material. 1♀, Mt. Kumgang-san, 19.IX.1980, L. Forro et G. Topal leg.

Distribution. Korea (S.N.), Japan, China, Siberia, Europe.

14. *Eupoecilia ambiguella* (Hubner, 1796) 버찌가는잎말이

Tinea ambigulla Hübner, 1796, Samml. eur. Schmett. 8: pl. 22, Fig. 153.

Material. 2♂, 2♀, Mt. Myohyang-san, 13.VII.1982, L. Forro et L. Ronkay leg.; 1♂, same locality, 27.V.1985, A. Vojnits et L. Zombori leg.; 1♀, Mt. Daesong-san, near Pyongyang, 17.V.1985, A. Vojnits et L. Zombori leg.

Distribution. Korea (S.N.), Japan, Palaearctic region.

15. *Matsumuraes phaseoli* (Matsumura, 1900) 팔나방

Semasia phaseoli Matsumura, 1900, Ent. Nackr. Berlin, 26: 197.

Semasia elutana Kennel, 1901, Dt. ent. Z. Iris 13: 147, pl. 5: 23.

Material. 1♂, Pyongyang, 30.V.1985, A. Vojnits et L. Zombori leg.

Distribution. Korea (S.N.), Japan, China, Amur.

16. *Rhopalovalva pulchra* (Butler, 1879) 봄애기잎말이

Phoxopteryx pulchra Butler, 1879, Ill. type specimens Lepid. Het. Colln Br. Mus. 3: 79, pl. 60: 7.

Material. 1♂, Mt. Ryongag-san, near Pyongyang, 30.V.1985, A. Vojnits et L. Zombori leg.

Distribution. Korea (S.N.), Japan.

17. *Rhopobota naevana* (Hübner, [1817]) 매실애기잎말이

Tortrix naevana Hübner, [1817], Samml. eur. Schmett. 7: pl. 41, fig. 261.

Material. 1♀, Pyongyang, 19.IX.1979, H. Steinmann et T. Vasarhelyi leg.

Distribution. Korea (S.N.), Japan.

18. *Petrova cristata* (Walsingham, 1900) 솔애기잎말이

Enarmonia cristata Walsingham, 1900, Ann. Mag. nat. Hist. (7)6: 439.

Material. 2♂, Mt. Daesong-san, near Pyongyang, 31.V.1985, A. Vojnits et L. Zombori leg.

Distribution. Korea (S.N.), Japan, S. China.

19. *Epiblema foenella* (Linnaeus, 1758) 흰갈퀴애기잎말이

Phalaena foenella Linnaeus, 1758, Syst. Nat. (Edn 10)1: 536.

Material. 1♂, Mt. Kumgang-san, 6.VIII.1975, J. Papp et A. Vojnits leg.

Distribution. Korea (S.N.), Japan, China, India, Europe.

20. *Ancylis amplimacula* Falkovitsh, 1965 흰애기잎말이

Ancylis amplimacula Falkovitsh, 1965, Ent. Obozr. 44: 423, fig. 14.

Material. 1♂, Mt. Daesong-san, near Pyongyang, 31.V.1985, A. Vojnits et L. Zombori leg.; 1♀, Mt. Kumgang-san, 26.V.1985, A. Vojnits et L. Zombori leg. Some additional specimens from Mt. Daesong-san.

Distribution. Korea (S.N.), Japan, Amur.

21. *Ancylis partitana* (Christoph, 1881) 신갈애기잎말이

Phoxoteryx partitana Christoph, 1881, Bull. Soc. imp. Nat. Moscou. 56(2): 430.

Material. 1♂, Mt. Kumgang-san, 28.V.1985, A. Vojnits et L. Zombori leg.

Distribution. Korea (S.N.), Japan, Amur.

22. *Pristerognatha penthinana* (Guenée, 1845) 맵시애기잎말이

Sericoris penthinana Guenée, 1845, Eur. Microlepid. Index. meth.: 45.

Material. 1♂, Mt. Myohyang-san, 20.V.1985, A. Vojnits et L. Zombori leg.

Distribution. Korea (S.N.), Japan.

23. *Cryptaspasma marginifasciata* (Walsingham, 1900) 세모애기잎말이

Microcorses marginifasciata Walsingham, 1900, Ann. Mag. nat. Hist. (7)5: 466.

Material. 1♀, Mt. Kumgang-san, 24.IX.1979, H. Steinmann et T. Vasarhelyi leg.

Distribution. Korea (S.N.), Japan.

24. *Cryptaspasma angulicostana* (Walsingham, 1900) 극남방애기잎말이

Brachygonia angulicostana Walsingham, 1900, Ann. Mag. nat. Hist. (7)5: 464.

Material. 1♀, Mt. Kumgang-san, 24.IX.1979, H. Steinmann et T. Vasarhelyi leg.

Distribution. Korea (S.N.), Japan.

25. *Lobesia permixtana* (Hübner, [1799]) 은빛날개애기잎말이

Tortrix permixtana Hübner, [1799], Samml. eur. Schmett. 7: pl. 12, Fig. 75.

Material. 1♀, Mt. Myohyang-san, 21.V.1985, A. Vojnits et L. Zombori leg.

Distribution. Korea (S.N.), Japan, Europe.

26. *Bactra furfurana* (Haworth, 1811) 속애기잎말이

Tortrix furfurana Haworth, 1811, Lepid. Br.: 466.

Material. 1♂, 2♀, Mt. Myohyang-san, 19.IX.1979, H. Steinmann et T. Vasarhelyi leg.

Distribution. Korea (S.N.), Palaearctic region.

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北韓產 나비目 昆蟲의 分布조사 잎말이나방科

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지난 70년 이래 형가리自然史博物館의 北韓지역 탐사를 통해 채집보관된 標本을 대상으로 검증한 결과 北韓產 잎말이나방科 총 26種이 분류·동정되었다. 그중 갈색잎말이, 솔잎말이, 매실애기잎말이, 팥나방, 흰갈퀴잎말이등 5종을 제외한 21종은 북한지역에서는 처음으로 보고되는 종들이다.

검색어: 分類, 나비目, 잎말이나방科, 北韓

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